

What is claimed:

1. A conductive inlay film comprising:

a layer of dielectric film having a pattern of holes suitable to define selected regions to which particles will be deposited by electrostatic deposition;

5 and

a conductive element comprising polymer, which element comprises (a) a conductive film laminated against the dielectric film or (b) a conductive film embedded within the holes, the portion of the conductive element appearing within the holes comprising conductive inlays,

10 wherein the conductive element is adapted to contact one or more electrode pads and provide electrical potentials at the selected regions, and wherein the dielectric film electrically isolates the selected regions.

15 2. The conductive inlay film of claim 1, further comprising particles deposited on the selected regions by electro-attractive deposition.

3. The conductive inlay film of claim 2, wherein the amounts of particles deposited on the selected regions are measured amounts.

20 4. The conductive inlay film of claim 2, wherein the particles comprise a medicament and each selected region defines a dosage unit.

25 5. The conductive inlay film of claim 2, wherein the particles comprise a diagnostic reagent and the conductive inlay film comprises a diagnostic product with measured amounts of diagnostic reagent at two or more selected regions.

6. The conductive inlay film of claim 1, wherein the conductive element comprises (a) a conductive film laminated against the dielectric film.

30 7. The conductive inlay film of claim 1, wherein the conductive element comprises (b) a conductive film embedded within the holes, the portion of the conductive element appearing within the holes comprising conductive inlays.

8. A method of electro-attractive deposition onto a substrate comprising:
layering a conductive inlay film onto a surface of an electrostatic chuck
comprising at least one electrode contacting the surface, wherein the
conducting inlay film comprises conductive polymer effective to transmit
5 potentials from the electrodes to the vicinity of selected regions of the
conducting inlay film and dielectric film effective to electrically isolate
the selected regions;

10 applying a potential to the at least one electrode;
directing particles toward the conductive inlay film; and
selectively depositing particles at the selected regions.

9. A pharmaceutical, vitamin formulation, sweetener formulation, herbal formulation,
veterinary formulation, or diagnostic product comprising:

15 at least a portion of a conductive inlay film, the conductive inlay film comprising:
a layer of dielectric film having a pattern of holes suitable to define
selected regions to which particles will be deposited by
electrostatic deposition; and
20 a conductive element comprising polymer, which element comprises (a) a
conductive film laminated against the dielectric film or (b) a
conductive film embedded within the holes, the portion of the
conductive element appearing within the holes comprising
conductive inlays,

25 the portion comprising a said inlay surrounded by the dielectric film; and
a defined amount of pharmaceutical, vitamin, sweetener, herbal product,
veterinary pharmaceutical or diagnostic agent selectively deposited on
one or more said inlays.

10. A pharmaceutical dosage unit according to claim 9.

30 11. A vitamin dosage unit according to claim 9.

12. A sweetener administration unit according to claim 9.

13. A herbal dosage unit according to claim 9.
14. A veterinary dosage unit according to claim 9.
- 5 15. A diagnostic product according to claim 9.